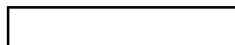


NATIONAL PHOTOGRAPHIC  
INTERPRETATION CENTER

**BASIC IMAGERY  
INTERPRETATION  
REPORT**

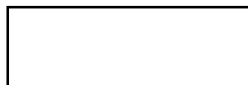
**MOSKVA RADAR PLANT KUNTSEVO 304**



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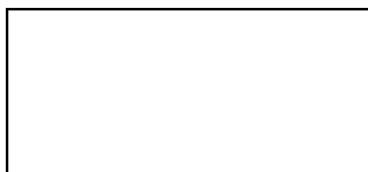
**STRATEGIC WEAPONS INDUSTRIAL FACILITIES**

**USSR**

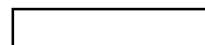


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INSTALLATION OR ACTIVITY NAME

COUNTRY

Moskva Radar Plant Kuntsevo 304

UR

UTM COORDINATES

GEOGRAPHIC COORDINATES

NA

55-42-29N 037-26-18E

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MAP REFERENCE

ACIC. US Air Target Chart, Series 200, Sheet 0167-5, scale 1:200,000

LATEST IMAGERY USED

NEGATION DATE (If required)

NA

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### ABSTRACT

1. Moscow (Moskva) Radar Plant Kuntsevo 304 consists of 121 buildings in three main areas: an administration/engineering area, a fabrication/assembly area, and a transshipment/storage area. The plant consisted of 70 buildings in 1941, and was producing small arms and small arms ammunition. Most of the added buildings were constructed between 1956 and 1964, and only limited additional construction has taken place since 1964. The plant was converted to the production of radar and radar tracking equipment after World War II and may be involved in producing external missile guidance and control systems.

2. This report includes a location map, a photograph, a line drawing, and mensural and chronological data of the plant.

### INTRODUCTION

3. Moscow Radar Plant Kuntsevo 304 is located in the Kuntsevo District of southwest Moscow (Figure 1). The plant is approximately 3.5 nautical miles (nm) southwest of Moscow/Fili Airfield [ ] and approximately 4.4 nm north of Moscow/Orlovo Airfield [ ]. Plant 304 is situated on the south bank of the Setun River, approximately 0.8 nm south of Kutuzovskiy Prospekt. Three secondary roads provide access to the plant from Kutuzovskiy Prospekt.

4. Soviet aerospace installations are concentrated in the greater Moscow area and Plant 304 could be associated with many of them. Many of the aerospace installations in the Moscow area are listed in a 1968 NPIC report.<sup>1</sup>

5. [ ] obtained good photographic coverage of Plant 304 in [ ] again in [ ]. Subsequent coverage of the plant has included one [ ] mission, one [ ] and numerous [ ]. Most of the coverage obtained since [ ] has been of limited interpretability.

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### BASIC DESCRIPTION

6. Plant 304 consists of 121 buildings. The major buildings--those containing 929.0 square meters (10,000 square feet) or more of floorspace--include seven administration/engineering buildings, nine fabrication/assembly buildings, 18 shop buildings, eight warehouses, and a heating plant (Figures 2 and 3; Table 1). The remaining 78 buildings are support buildings. These include small administration/engineering buildings, small shop buildings, and miscellaneous buildings.

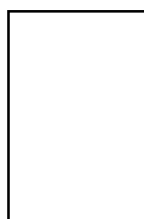
7. Plant 304 covers a secured area of 494 acres. The 121 buildings contain a total floorspace of [ ]. A functional breakdown of floorspace is given below.

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Administration/engineering bldgs  
Fabrication/assembly bldgs  
Shop bldgs  
Warehouses  
Support bldgs

Total floorspace



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## Chronology

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8. Plant 304 was operational prior to World War II. The plant, as observed on [ ] photography of 1941, consisted of 70 buildings; 68 were complete and two--a fabrication/assembly building (item 24, Figure 3) and a shop building (item 11)--were under construction. The 68 complete buildings included 21 major buildings and 47 support buildings. The major buildings included three administration/engineering buildings, six fabrication/assembly buildings, 11 shop buildings, and a heating plant. Some of the support buildings were razed in later years. No significant changes were observed on [ ]

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9. [ ] photography of Plant 304, obtained in [ ] was of limited interpretability. The fabrication/assembly building (item 24), first seen under construction in [ ] was complete. A large section had been added to one of the shop buildings (item 18) first seen in [ ] Two new major buildings were identified in [ ] administration/engineering building (item 3) and a fabrication/assembly building (item 34). Seven support buildings were also identified.

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10. Total floorspace of Plant 304 was [ ] as of [ ]

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11. Five major buildings were seen for the first time in [ ]. These included two administration/engineering buildings (items 14 and 16), a shop building (item 20), and two warehouses (items 39 and 40).

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12. Eleven support buildings were also observed for the first time in [ ]. Some of these support buildings may have been present in [ ] but the limited interpretability of the coverage precluded their identification.

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13. A fabrication/assembly building (item 35) and a support building were under construction in [ ]. An administration/engineering building (item 1) and a shop building (item 6) were enlarged between [ ]. A warehouse (item 4) was created by adding a section to an existing support building. Two other support buildings were also enlarged between [ ]

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14. Five major buildings were constructed between [ ]. These included an administration/engineering building (item 8), a shop building (item 17), and three warehouses (items 36, 37, and 41). The fabrication/assembly building (item 35), seen under construction in [ ] had also been completed.

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15. Ten support buildings were also identified in [ ]. Three shop buildings (items 19, 31, and 32) and a support building had been enlarged since [ ]. A support building under construction in [ ] was completed by [ ]

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16. Two fabrication/assembly buildings (items 24 and 27) and a shop building (item 23) were enlarged between [ ]. A section was also added to the heating plant (item 38).

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17. Nineteen support buildings were constructed between [ ]. A warehouse (item 42) and a support building were observed under construction in [ ]

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18. [ ] Plant 304 consisted of 114 buildings, of which 112 were complete. Of these 112 buildings, 40 were major buildings and 72 were support buildings.

19. Plant 304 contained [ ] of floorspace as of [ ]

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20. Construction at Plant 304 since [ ] has been limited. The warehouse (item 42) and the support building, under construction in [ ] had been completed by [ ]. Two POL storage tanks were added to the heating plant between [ ]

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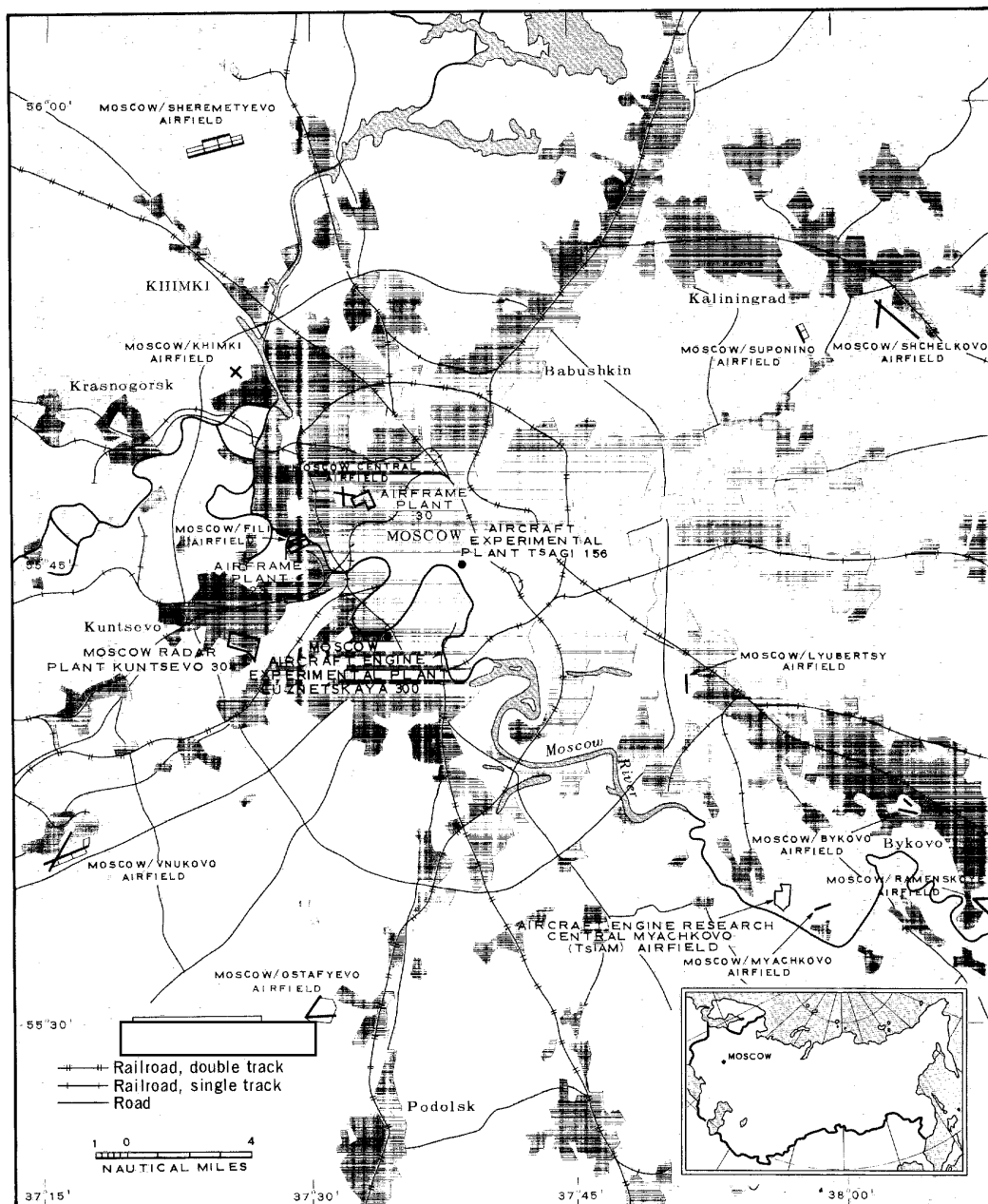


FIGURE 1. LOCATION MAP

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and [redacted] Three support buildings had also been constructed. A shop building (item 13) was observed under construction in [redacted]

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21. A warehouse (item 43) was seen under construction in [redacted] The shop building (item 13), under construction since [redacted] was completed by [redacted] Three support buildings were also observed in [redacted]

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22. The warehouse (item 43), under construction in [redacted] was completed by [redacted] A support building had also been constructed since [redacted] Between [redacted] a shop building (item 10) was created by constructing a section between two existing support buildings. A small section was also constructed between two other support buildings to create one large support building.

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23. A probable administration/engineering building (item 1a) was under construction [redacted] This has been the first new construction observed since [redacted]

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Table 1. Moscow Radar Plant Kuntsevo 304 (Keyed to Figure 3)

| Item                               | Description                 | Dimensions*  |                 | Floorspace<br><u>sq meters</u><br>sq feet | Complete | Remarks  |  |  |  |  |
|------------------------------------|-----------------------------|--|-----------------|---|----------|--|--|--|--|--|
|                                    |                             | Length<br>feet   | Width<br>meters |   |          |  |  |  |  |  |
| Area A - Admin/Engineering Area    |                             |  |                 |   |          |  |  |  |  |  |
| 1                                  | Admin/engineering bldg      |  |                 |   |          | One section is 2 stories;<br>enlarged between [redacted]<br>Ucon [redacted]                    |  |  |  |  |
| a                                  | Prob admin/engineering bldg |  |                 |   |          |  |  |  |  |  |
| 2                                  | Admin/engineering bldg      |  |                 |   |          |  |  |  |  |  |
| 3                                  | Admin/engineering bldg      |  |                 |   |          |  |  |  |  |  |
| 4                                  | Warehouse                   |  |                 |   |          |  |  |  |  |  |
| Area B - Fabrication/Assembly Area |                             |  |                 |   |          |  |  |  |  |  |
| 5                                  | Shop bldg                   |  |                 |   |          | Bldg slightly altered be-<br>tween [redacted]  |  |  |  |  |
| 6                                  | Shop bldg                   |  |                 |   |          | Original bldg first seen<br>[redacted] enlarged between<br>[redacted]                          |  |  |  |  |
| 7                                  | Shop bldg                   |  |                 |   |          |  |  |  |  |  |
| 8                                  | Admin/engineering bldg      |  |                 |   |          | 2 stories  |  |  |  |  |
| 9                                  | Shop bldg                   |  |                 |   |          | An admin/engineering<br>section is situated on<br>W end of bldg                                |  |  |  |  |
| 10                                 | Shop bldg                   |  |                 |   |          | Two sections complete<br>in [redacted]   |  |  |  |  |
| 11                                 | Shop bldg                   |  |                 |   |          | First seen ucon in [redacted]<br>[redacted]  |  |  |  |  |
| 12                                 | Shop bldg                   |  |                 |   |          | Bldg contains 2-story<br>admin/engineering<br>section  |  |  |  |  |
| 13                                 | Shop bldg                   |  |                 |   |          | First seen ucon<br>[redacted]  |  |  |  |  |
| 14                                 | Admin/engineering bldg      |  |                 |   |          | 4 stories  |  |  |  |  |
| 15                                 | Admin/engineering bldg      |  |                 |   |          | 3 stories  |  |  |  |  |
| 16                                 | Admin/engineering bldg      |  |                 |   |          | 2 stories  |  |  |  |  |
| 17                                 | Shop bldg                   |  |                 |   |          | Multistory   |  |  |  |  |
| 18                                 | Shop bldg                   |  |                 |   |          | Section added between<br>[redacted]  |  |  |  |  |
| 19                                 | Shop bldg                   |  |                 |   |          | Bldg has 2-story admin/<br>engineering section; ex-<br>panded between [redacted]<br>[redacted] |  |  |  |  |
| 20                                 | Shop bldg                   |  |                 |   |          | Bldg has two 2-story<br>admin/engineering<br>sections  |  |  |  |  |
| 21                                 | Shop bldg                   |  |                 |   |          | Main section of bldg<br>is 2 stories   |  |  |  |  |
| 22                                 | Shop bldg                   |  |                 |   |          |  |  |  |  |  |
| 23                                 |                             | Bldg has 2-story admin/<br>engineering section; en-<br>larged between [redacted]<br>[redacted] |                 |   |          |  |  |  |  |  |

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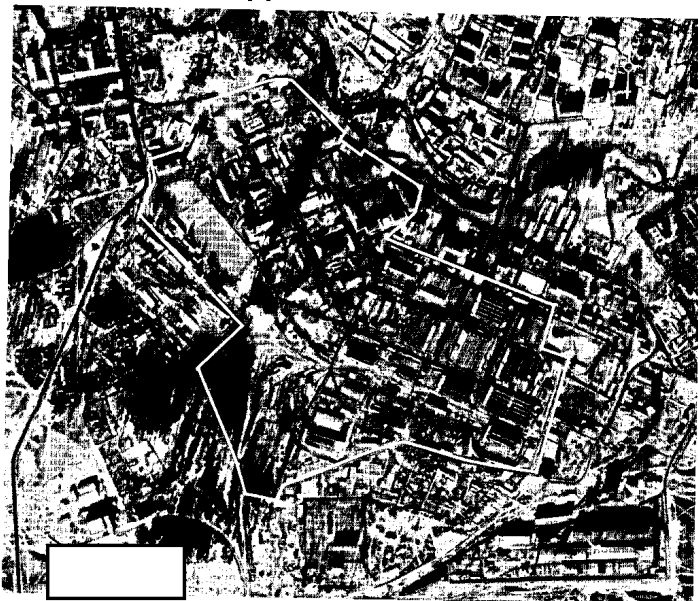


FIGURE 2. MOSCOW RADAR PLANT KUNTSEVO 304

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24. As of [redacted] Plant 304 consisted of 121 buildings. Of these, 43 are major buildings and 78 are support buildings. The 121 buildings contain [redacted] of floorspace. The probable administration/engineering building (item 1a) under construction will contain at least [redacted] of additional floorspace.

#### Production Activity

25. Plant 304 originally produced small arms and small arms ammunition. Shortly after World War II, the Soviets began producing radar and radar tracking equipment at the plant. The plant may also be involved in the production of external guidance and control systems for missiles.<sup>2</sup> However, there is no photographic evidence of radar or guidance and control systems production at the plant.

#### Essential Services

26. Plant 304 is served by the highway and railroad systems of the greater Moscow area. The highway and railroad systems also provide easy access to the air and water transportation facilities in the Moscow area.

27. Electrical power for Plant 304 is probably supplied by the Moscow power grid. A large substation, located approximately 0.5 nm south of Plant 304, is probably the source of electrical power for the plant.

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Table 1. (Continued)

| Item                                 | Description               | Dimensions*<br>meters |       | Floorspace<br>sq. meters<br>sq. feet | Complete | Remarks   |
|--------------------------------------|---------------------------|-----------------------|-------|--------------------------------------|----------|---|
|                                      |                           | Length                | Width |                                      |          |   |
| 24                                   | Fabrication/assembly bldg |                       |       |                                      |          | First seen upon [redacted]<br>bldg has two 2-story<br>admin/engineering<br>sections; enlarged be-<br>tween [redacted] |
| 25                                   | Fabrication/assembly bldg |                       |       |                                      |          |   |
| 26                                   | Shop bldg                 |                       |       |                                      |          |   |
| 27                                   | Fabrication/assembly bldg |                       |       |                                      |          | Bldg enlarged between [redacted]  |
| 28                                   | Fabrication/assembly bldg |                       |       |                                      |          | Bldg has a 2-story admin/<br>engineering section  |
| 29                                   | Fabrication/assembly bldg |                       |       |                                      |          | Bldg has a 2-story admin/<br>engineering section  |
| 30                                   | Fabrication/assembly bldg |                       |       |                                      |          | Bldg contains a 2-story<br>admin/engineering sec-<br>tion   |
| 31                                   | Shop bldg                 |                       |       |                                      |          | Enlarged between [redacted]   |
| 32                                   | Shop bldg                 |                       |       |                                      |          | Enlarged between [redacted]   |
| 33                                   | Fabrication/assembly bldg |                       |       |                                      |          |   |
| 34                                   | Fabrication/assembly bldg |                       |       |                                      |          | Bldg has a 2-story admin/<br>engineering section  |
| 35                                   | Fabrication/assembly bldg |                       |       |                                      |          | First seen upon [redacted]  |
| Area C - Transshipment/Storage Area  |                           |                       |       |                                      |          |   |
| 36                                   | Warehouse                 |                       |       |                                      |          |   |
| 37                                   | Warehouse                 |                       |       |                                      |          |   |
| 38                                   | Heating plant             |                       |       |                                      |          | Bldg & covered con-<br>veyor enlarged be-<br>tween [redacted]<br>[redacted] [redacted]                                |
| 39                                   | Warehouse                 |                       |       |                                      |          |   |
| 40                                   | Warehouse                 |                       |       |                                      |          |   |
| 41                                   | Warehouse                 |                       |       |                                      |          |   |
| 42                                   | Warehouse                 |                       |       |                                      |          | First seen upon in [redacted]   |
| 43                                   | Warehouse                 |                       |       |                                      |          | First seen upon in [redacted]   |
| Total Floorspace of Numbered Bldgs   |                           |                       |       |                                      |          |   |
| Total Floorspace of Unnumbered Bldgs |                           |                       |       |                                      |          |   |
| Total Floorspace of Plant 304        |                           |                       |       |                                      |          |   |

\*Measurements are accurate to within ±13 meters plus 1% within a 95% confidence interval. Heights were not determined because of lack of good imagery.



FIGURE 3. LINE DRAWING OF MOSCOW RADAR PLANT KUNTSEVO 304

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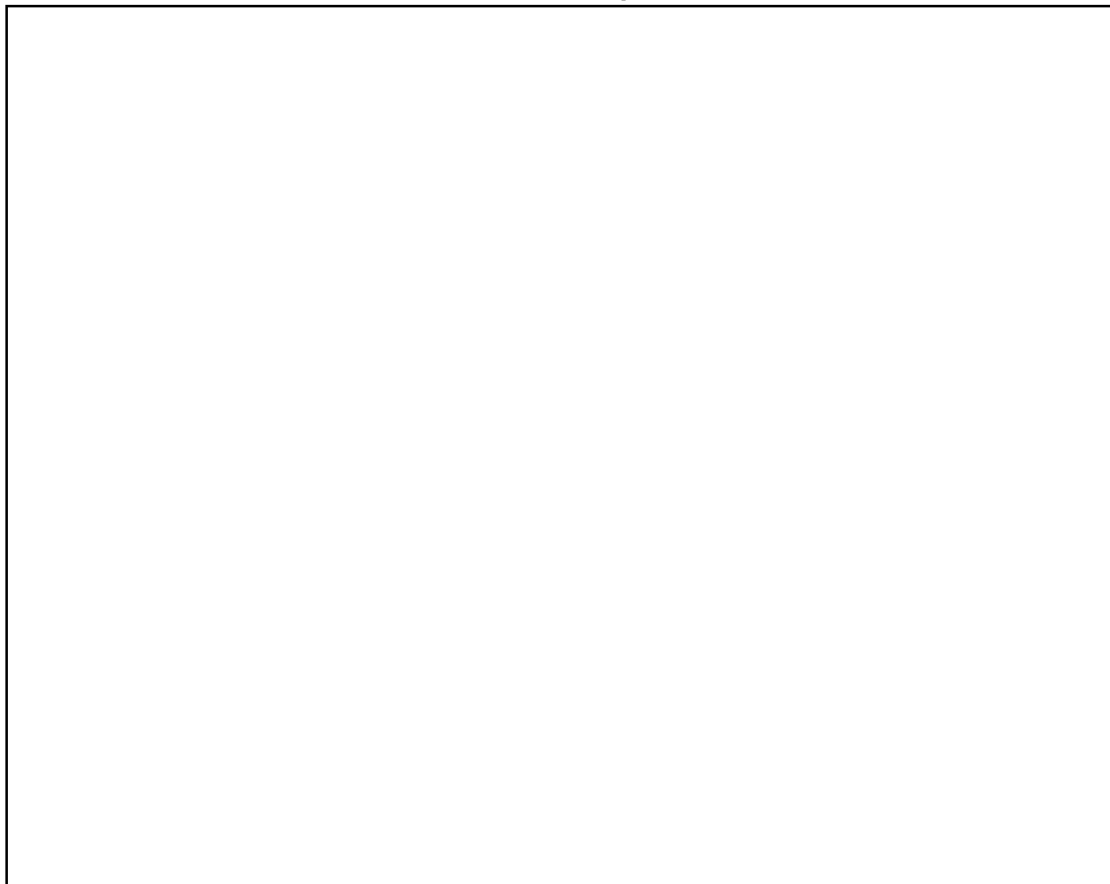
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**Security**

28. Plant 304 is secured by a wall/fence containing two rail entrances and five road entrances. The road entrances are located near buildings which probably serve as control points. The rail entrances are probably also controlled. Special security measures such as guard towers were not observed.

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## REFERENCES



## MAPS OR CHARTS

ACIC. US Air Target Chart, Series 200, Sheet 0167-5, scale 1:200,000

## DOCUMENTS

1. NPIC. [redacted] *Index of Aerospace Installations in the Moscow Area*, Feb 68 (TOP SECRET [redacted])  
CODEWORD--handle via [redacted]
2. CIA Plant Folder No. 7009642

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## REQUIREMENT

COMIREX J02  
NPIC/IEG/SD/NIB Project 221368

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